

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Vinals-Bassols  
Serial No.: Unknown  
Filed: Herewith

Group Art Unit No.: Unknown  
Examiner: Unknown

For: BASB027 Proteins and Genes from *Moraxella Catarrhalis*, Antigens, Antibodies, and Uses

PRELIMINARY AMENDMENT

Sir:

Please enter this Preliminary Amendment into the record of the above-identified patent application before the calculation of fees.

In the Claims:

Please delete the claims of the application as filed in the PCT and substitute therefor:

27. An isolated polypeptide comprising a member selected from the group consisting of
- (a) an amino acid sequence which has at least 90% identity to SEQ ID NOs:2 or 4;
  - (b) an immunogenic fragment of the amino acid sequence of (a), wherein the immunogenic fragment is at least 90% identical to an aligned contiguous segment of SEQ ID NOs:2 or 4; and
  - (c) an immunogenic fragment of the amino acid sequence of (a) that matches an aligned contiguous segment of SEQ ID NOs:2 or 4 with no more than five single amino acid substitutions, deletions or additions;

wherein the isolated polypeptide, when administered to a subject in a suitable composition which can include an adjuvant, or a suitable carrier coupled to the polypeptide, induces an immune response that recognizes a polypeptide having the sequence of SEQ ID NOs:2 or 4.

28. The isolated polypeptide of claim 27, wherein the immune response recognizes an antigen having molecular weight 95 kD (by SDS PAGE) in *Moraxella catarrhalis* strains Mc 2904, 2913, 2926, 2931, 2956, 2960, 2969, and 2975.

29. The isolated polypeptide of claim 27, wherein the immunogenic fragment of (b) comprises at least 15 amino acids.